

爱之选集团有限公司  
AZX GROUP LIMITED

佛山市爱森无纺布科技有限公司  
FOSHAN ASEN NONWOVEN FABRIC TECHNOOGY CO., LTD

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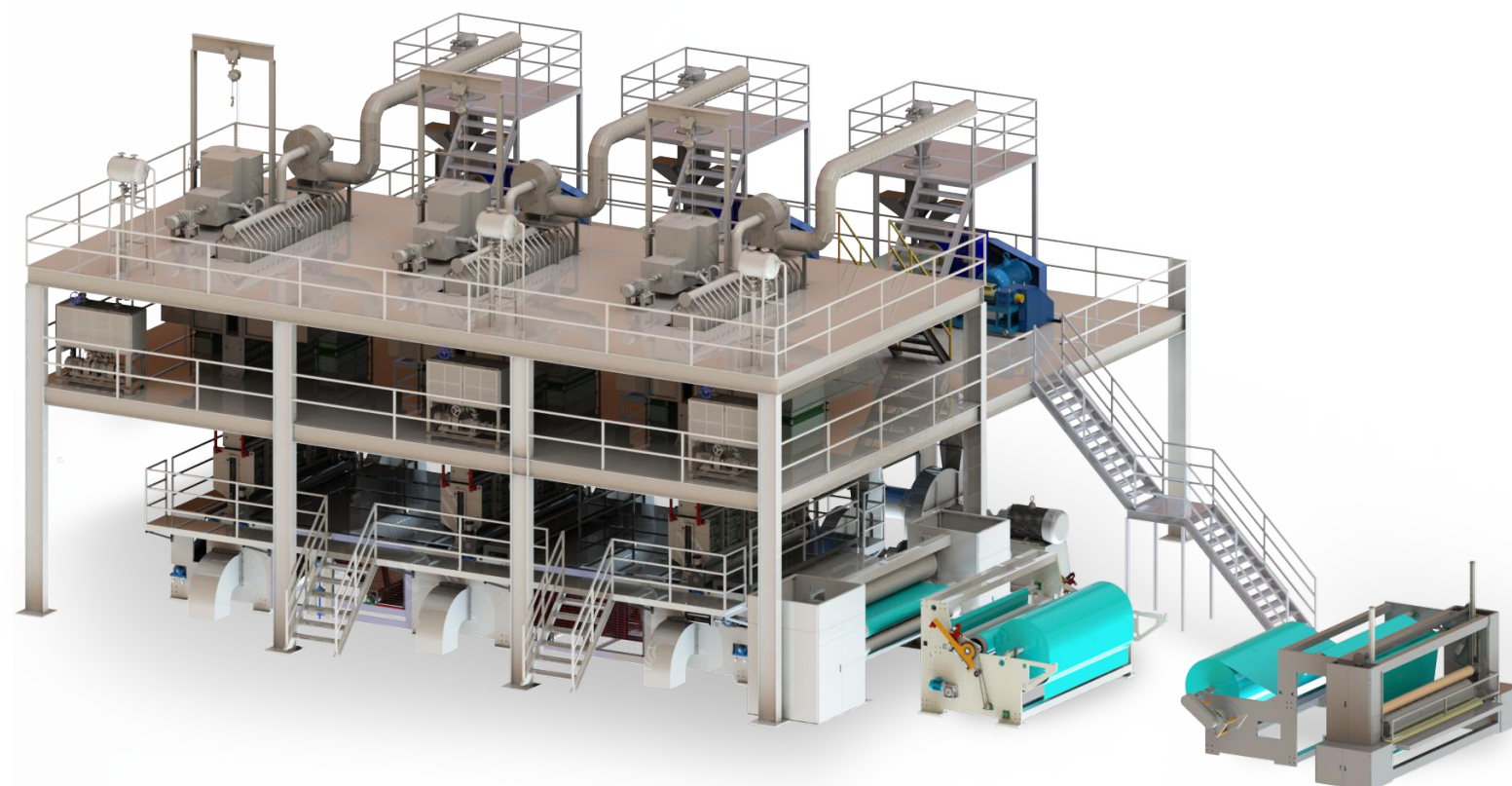
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纺粘无纺布生产线 / 熔喷无纺布生产线 / 纺熔无纺布生产线

SPUNBOND NONWOVEN LINES / MELTBLOWN PRODUCTION LINE / SPUN-MELT NONWOVEN LINE

**ASEN**  
爱 森 科 技







## 公司简介

佛山市爱森无纺布科技有限公司, 是爱之选集团旗下子公司, 是一家拥有雄厚的研发设计能力, 专业的生产销售及售后服务于一体的企业, 专业生产S(纺粘)/M(熔喷)/SS/SXS/SS/SMS/SSMS/SMMS/SMMMS/SSMMS等PP纺粘及纺熔无纺布生产线。集团公司成立于2012年, 涉及无纺布设备、无纺布产品、医疗用品等领域, 为全球用户提供优质的产品和服务。

爱森始终坚持以客户为中心, 坚持"品质为本, 服务至上"的经营理念, 秉承售后服务是公司售前、售中和售后环节中的重要支柱, 已为国内外客户成功安装各类先进技术的纺粘及纺熔无纺布生产线超过300条, 设备远销意大利、俄罗斯、智利波兰韩国、印度、土耳其、南非等, 以专业的技术和优质的服务赢得了客户的好评。

## COMPANY PROFILE

Foshan Asen Nonwoven Fabric Technoogy co., ltd is one of AZX Group Limited subsidiary company. It is a strong R&D, excellent design, professional production & sales and after-sales service in one company. We are specialized in manufacturing S(Spunbond), M(Meltblown), SS, SXS, SSS, SMS, SSMS, SMMS, SMMMS, SSMMS etc. type PP(Polypropylene) Spunbond & Melt blown Nonwoven Production line. Our group was established in 2012, involve in the field of nonwoven machine. Nonwoven fabric, Medical supplies etc., we are providing high-quality products and excellent services for global users.

Asen has always adhered to the customer-oriented, adhere to the "quality-oriented, service-oriented" business philosophy, adhering to the after-sales service is an important pillar in the company's pre-sales, sales and after-sales links, We have successfully installed over 300 lines of spunbond & melt blown non woven production line. Our equipment sales to Italy, Russia, Chile, Poland, Korea, India, Turkey, South Africa etc. We gained a good reputation from our clients with professional technology and high quality service.

## INVOLVED FIELD 涉及领域 >

纺粘无纺布生产线  
Spunbond Nonwoven Line

熔喷无纺布生产线  
Meltblown Nonwoven Line

纺熔无纺布生产线  
Spun-Melt Nonwoven Line

生产线组件  
Components

无纺布应用  
Applications of Nonwoven



# 无纺布设备制造 NONWOVEN LINES

## 承接项目工程

- ◎ 整套SSS • SS • S纺粘无纺布生产线设计、制造、安装和调试
- ◎ 整套SSMMS • SMMS • SSMS • SMS 纺熔复合无纺布生产线设计、制造、安装和调试
- ◎ 整套熔喷无纺布生产线设计、制造、安装和调试

## UNDERTAKING PROJECTS

- ◎ We offer a package deal of SSS • SS • S type spunbond production lines which include the designing producing, installing and testing.
- ◎ We offer a package deal of SSMMS • SMMS • SSMS • SMS production lines which include the designing producing, installing and testing.
- ◎ We offer a package deal of Meltblown production lines which include the designing, producing, installing and testing.

## 主要特点

- ◎ 全线结构合理，操作方便。
- ◎ 线自动化程度高。
- ◎ 控制元件全部采用名牌产品，性能可靠，控制稳定。
- ◎ 全线采用PLC控制，触摸屏式操作。
- ◎ 主机和辅助设备的布局，可根据用户条件专门设计，配置。

## MAJOR CHARACTERISTICS

- ◎ The whole line is well-structured and easy to operate.
- ◎ The whole line is highly automated.
- ◎ Control elements are brand products, high performance and reliable technologies.
- ◎ The whole line is controlled by PLC and operated with touch screen.
- ◎ The allocation of the main frame and auxiliary equipment can be special designed and configurated according to customers' requirements.

# 企业荣誉 COMPANY CERTIFICATES

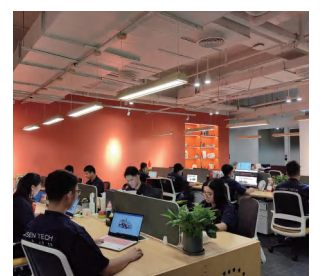


## AFTER-SERVICES TEAM

### 售后团队»»

爱森经过长期探索与实践,创立了整套的研发、设计管理体系。多项科技成果和技术指标居于同行业领先水平。致力于设备技术改造,差异化产品的开发和投放,又重视提高现有产品的品质,以满足市场日益增长的需求。

After years of exploration and practice, Asen sets up the whole system for research and development, Design and Management. Several scientific research achievement have reached the international leading. We stress on the plant modernization, differentiated product development and application, improvement of quality for fulfilling of ever increasing demand of the market.





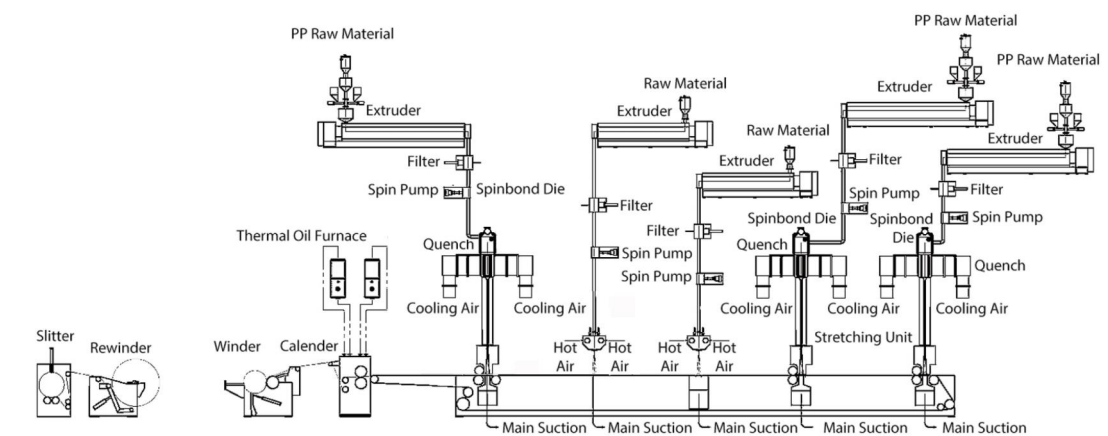
# PP 纺熔无纺布生产线

## PP SPUN-MELT NONWOVEN LINE



- 满足卫生和医疗行业的质量标准
  - 结合纺粘和熔喷技术为一体，可达5个喷丝模头，以最高600m/min的速度生产低至8gsm的无纺布
  - 一步实现生产兼具纺粘高机械性能和熔喷卓越阻隔性能的无纺布
  - 可配置3到5个喷丝模头
- Fulfilling quality standards in the hygiene and medical industries.
  - Combine the spunbond and meltblown technologies in one line. With up to five spin positions, which can produce especially light nonwovens weighing 8gsm at speeds of up to 600m/min.
  - What spunbond fabric and meltblown alone cannot achieve can be reproduced by composite nonwovens. Produce nonwovens with the outstanding barrier properties and excellent coverage of meltblown combined with the high mechanical strength of spunbond fabric - inline in a single production step.
  - Asen Spun-melt Lines are available in configurations of three to five beams. The mixture of spunbond fabric and meltblown beams are customized to the product in question.

## SSMMS

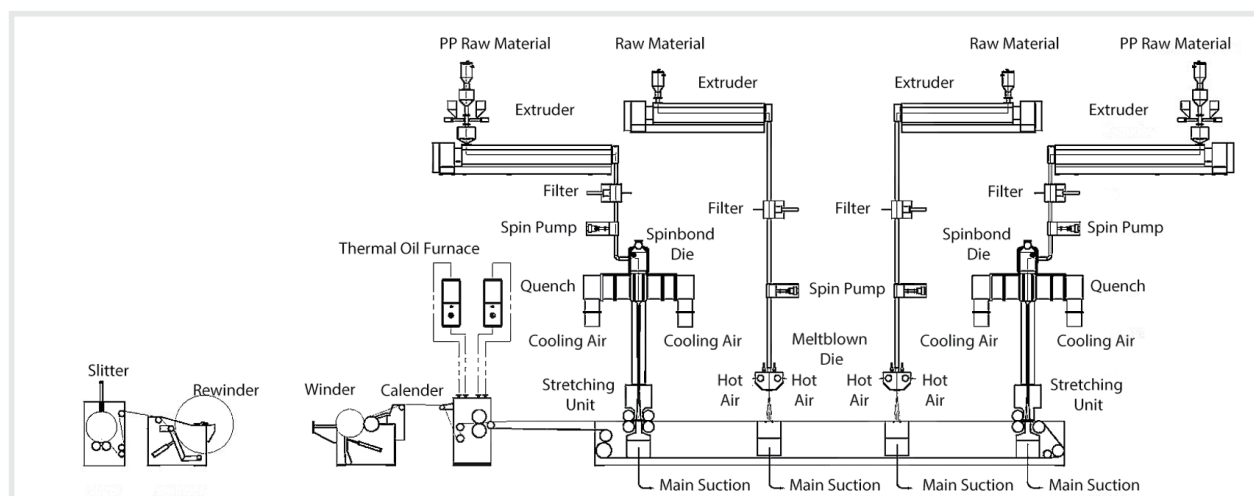


## 技术指标 Technial Index

型号 Model	有效幅宽 Effective Width	克重范围 Weight	最高速度 Highest Speed	年产量 Output
SSMMS	1600mm	8-80gsm	600 m/min	6000 TPA
	2400mm			9000 TPA
	3200mm			12000 TPA
	4800mm			18000 TPA



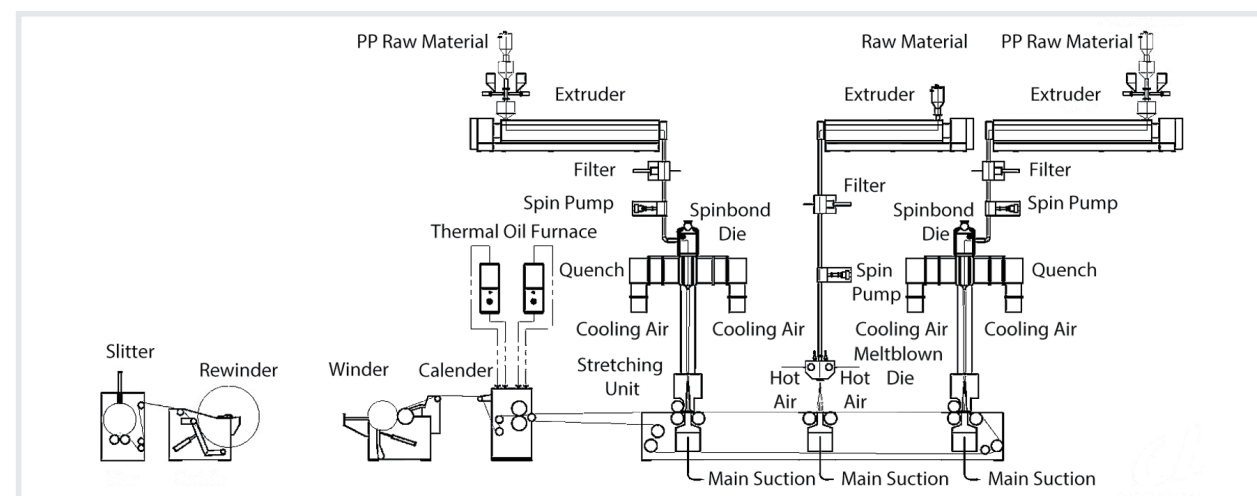
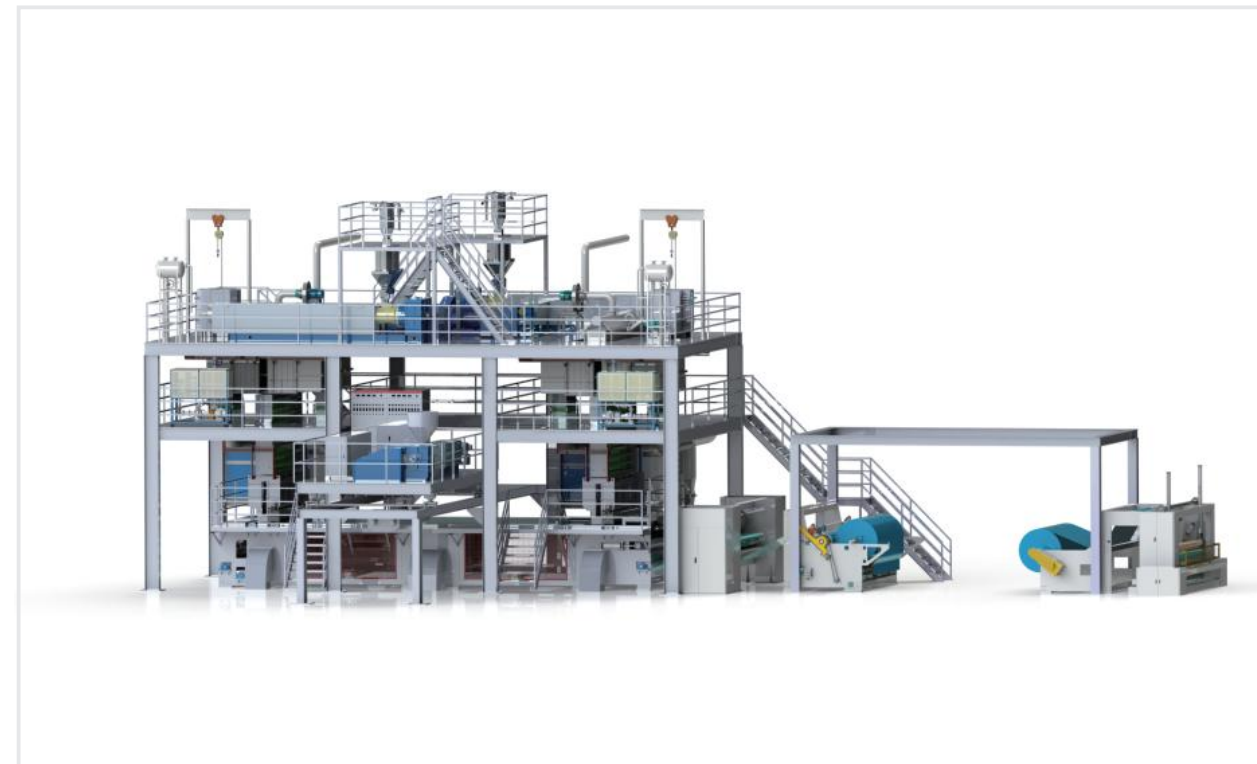
## ▶ SMMS >>>>



### ▶ 技术指标 Technial Index

型号 Model	有效幅宽 Effective Width	克重范围 Weight	最高速度 Highest Soeed	年产量 Output
SMMS	1600mm	8-80gsm	500 m/min	5000 TPA
	2400mm			7500 TPA
	3200mm			10000 TPA
	4800mm			15000 TPA

## ▶ SMS >>>>

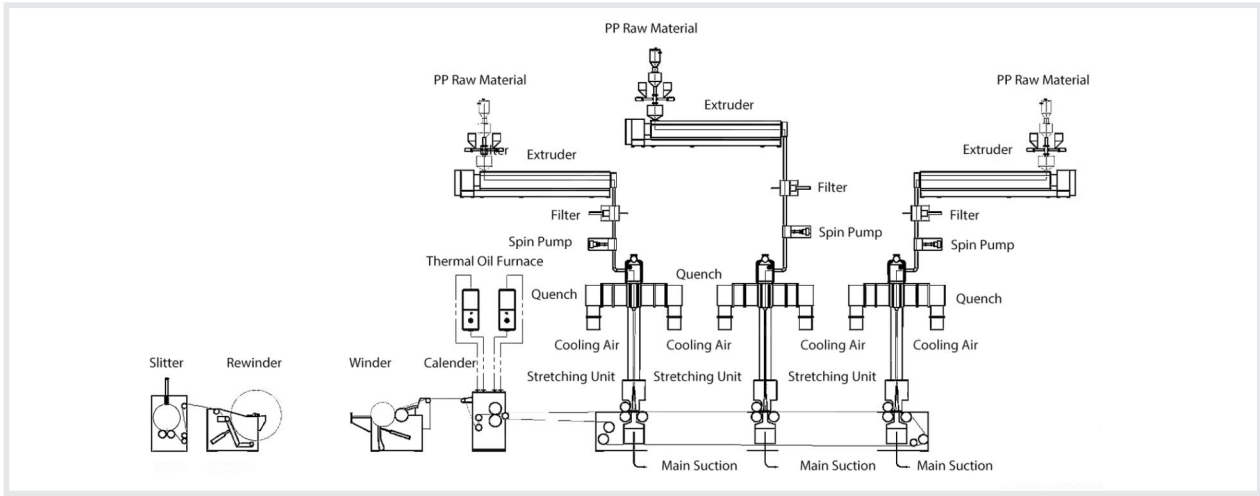
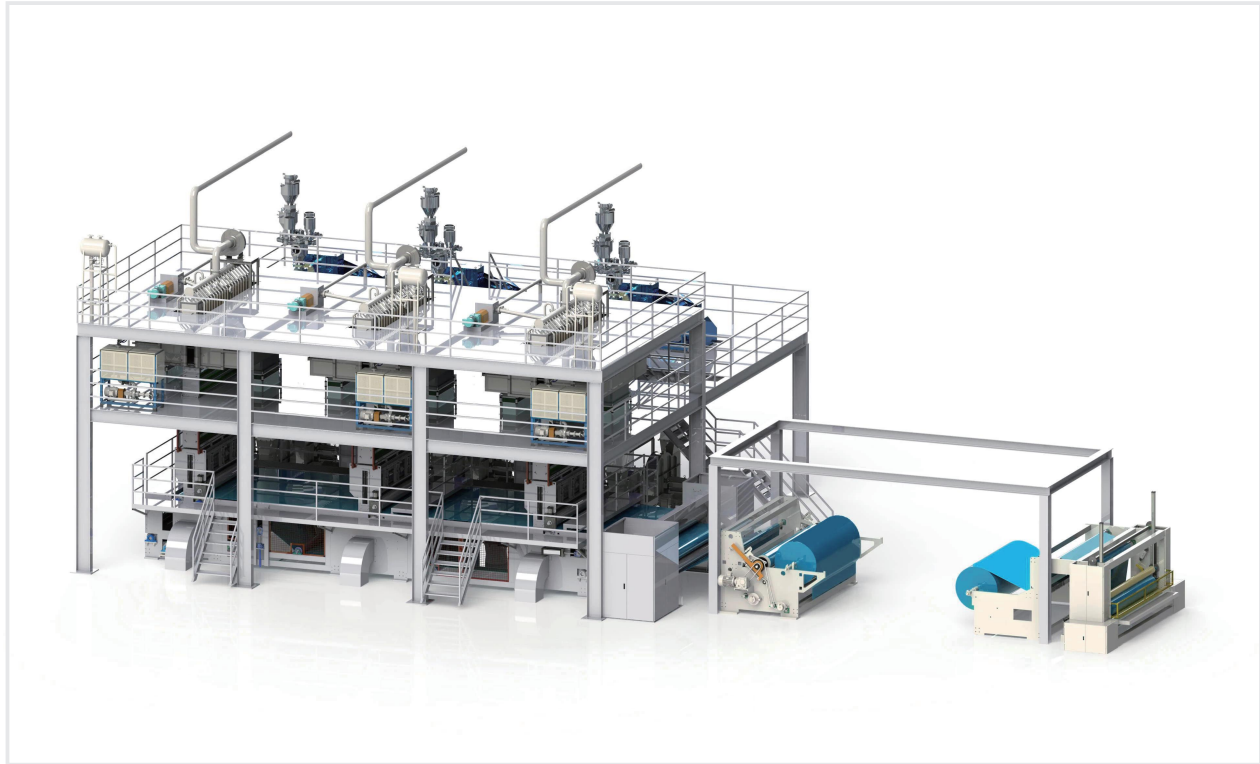


### ▶ 技术指标 Technial Index

型号 Model	有效幅宽 Effective Width	克重范围 Weight	最高速度 Highest Soeed	年产量 Output
SMS	1600mm	8-80gsm	400 m/min	4000 TPA
	2400mm			6000 TPA
	3200mm			8000 TPA
	4800mm			12000 TPA



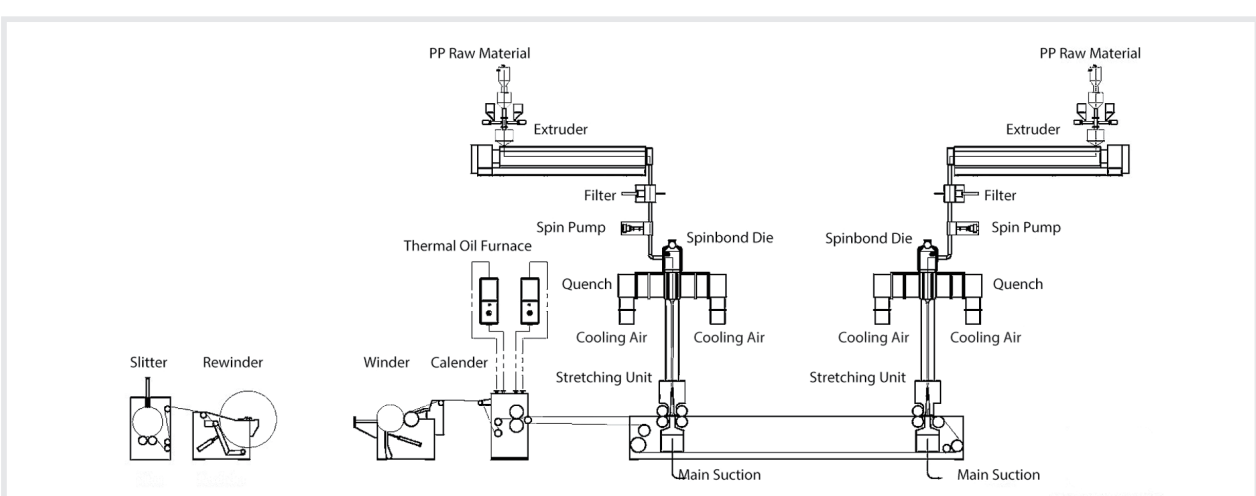
▶ SSS >>>



▶ 技术指标 Technial Index

型号 Model	有效幅宽 Effective Width	克重范围 Weight	最高速度 Highest Soeed	年产量 Output
SSS	1600mm	8-80gsm	400 m/min	4000 TPA
	2400mm			6000 TPA
	3200mm			8000 TPA
	4800mm			12000 TPA

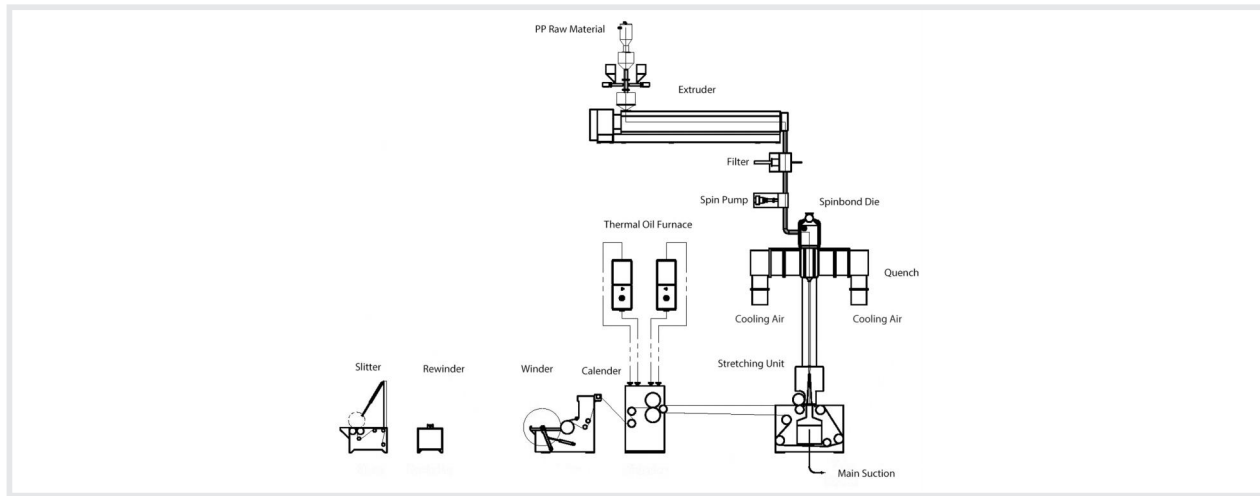
▶ SS >>



▶ 技术指标 Technial Index

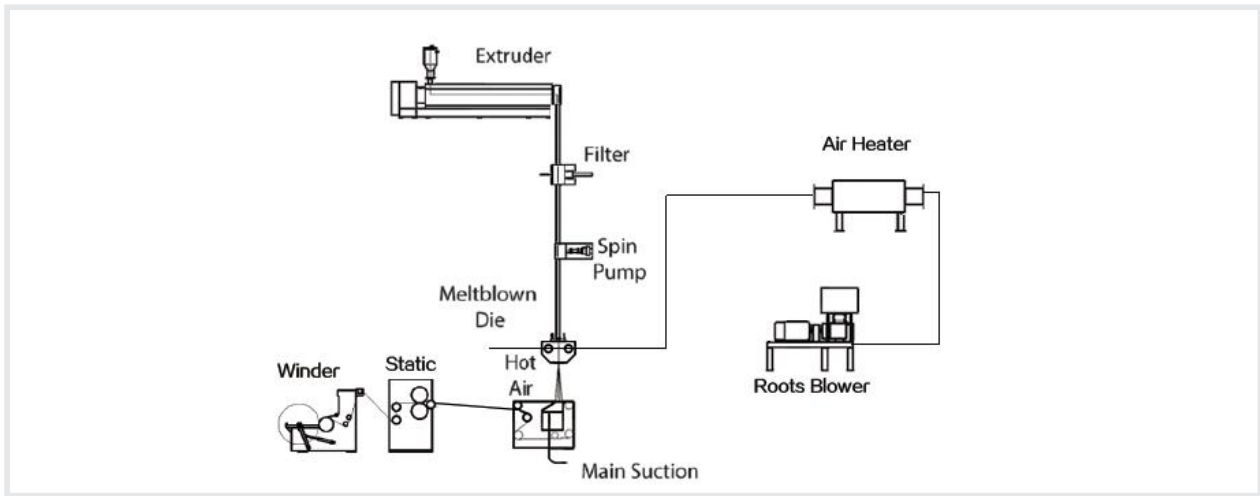
型号 Model	有效幅宽 Effective Width	克重范围 Weight	最高速度 Highest Soeed	年产量 Output
SS	1600mm	8-120gsm	300 m/min	3000 TPA
	2400mm			4500 TPA
	3200mm			6000 TPA
	4800mm			9000 TPA





#### 技术指标 Technial Index

型号 Model	有效幅宽 Effective Width	克重范围 Weight	最高速度 Highest Soeed	年产量 Output
S	1600mm	8-200gsm	200 m/min	2000 TPA
	2400mm			3000 TPA
	3200mm			4000 TPA
	4800mm			6000 TPA



#### 技术指标 Technial Index

型号 Model	有效幅宽 Effective Width	克重范围 Weight	最高速度 Highest Soeed	年产量 Output
M	1600mm	20-100gsm	100 m/min	600 TPA
	2400mm			1000 TPA
	3200mm			1500 TPA
	4200mm			2000 TPA



# 生产线组件 COMPONENTS



▲ 配料系统 Dosing Station



▲ 配料系统 Dosing Station



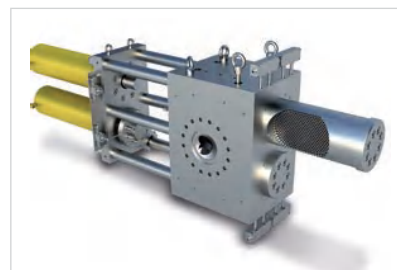
▲ S纺粘挤出机 Extruder



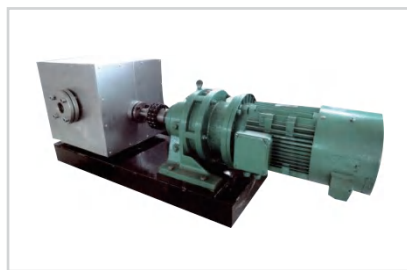
▲ M熔喷挤出机 Extruder



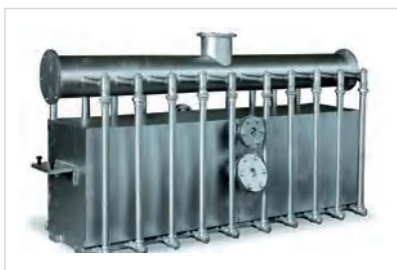
▲ 过滤器 Filter



▲ 过滤器 Filter



▲ 计量泵 Metering Pump



▲ 纺丝箱 Spinnind manifold



▲ 喷丝板 Spinneret



▲ 牵伸及扩散装置 Stretcher&Diffuser



▲ 熔喷模头 Meltblown Die



▲ 熔喷模头 Meltblown Die



▲ 喷丝板 Spinneret



▲ 热轧机 Calender



▲ 成网机 Web Former



▲ 风柜 AHU



▲ 锻烧炉 Calciner



▲ 超声波清洗机 Ultrasonic cleaner



▲ 节能螺杆鼓风机 Roots blower



▲ 空气加热器 Air Heater



▲ 导热油炉 Oil Heater



▲ 抽吸风机 Air Blower



▲ 分切机 Slitter-rewinder



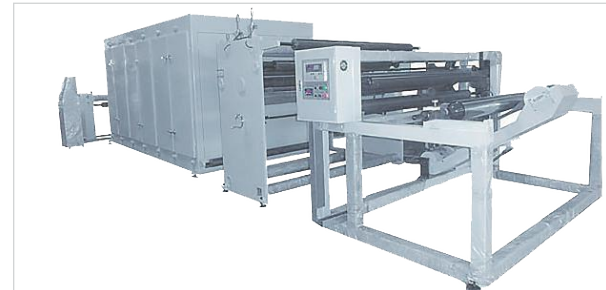
▲ 收卷机 Winder



▲ 在线亲水机 Online hydrophile



▲ 三抗处理设备 Triple resistance treatment equipment



▲ 离线亲水机 Offline hydrophile



▲ 电控系统 Electronic System



# PP 无纺布应用

## APPLICATIONS OF NONWOVEN

爱森根据每个不同客户的需求，设计和制造无纺布生产线，其产品具有非常广泛的应用领域

Asen Nonwoven Lines are designed and manufactured in accordance with individual customer requirements. Their possible area of application therefore is correspondingly wide.

### 纺粘无纺布 高强度特性

**卫生材料：**婴儿纸尿裤、成人失禁垫，女士卫生巾，其他清洁性应用等。

**医疗用品：**手术用口罩，一次性衣物，手术用布帘，鞋套等。

**技术工程：**土木工程，建筑工程，农业领域，汽车领域等

**包装用品：**购物袋，大米袋，茶包，服饰包装等。

**家居用品：**弹簧包布，床上用品，座椅用品等。

### PP Spunbond Nonwoven 高强度

#### Nonwoven hygiene products

- Baby and adult diapers: Top sheets, back sheets, ears, tapes, landing zone
- Female hygiene: Top sheets, wings
- Cleaning wipes: Baby care, cosmetics, etc.

#### Nonwoven medical products

- Surgeon's mask
- Disposable garments
- Surgical drapes
- Shoe covers

#### Nonwoven furniture products

- Beds: Mattresses, cushions, bed covers, disposal bedding
- Seating: Upholstered backs, sub-paneling, intermediate layers, etc.

#### Nonwoven technical products

- Geotextiles: Erosion protection, filtration, reinforcement, drainage, separation layers, embankment fortification etc. for streets, dikes, and farms
- Structural engineering: Bitumen supports, roof insulation sheeting, diaphragms
- Agriculture: Crop forcing nonwovens, insect protection, etc.
- Automotive: Inner paneling, sound insulation, insulation, etc.

#### Nonwoven packaging products

- Envelopes
- Tea bags
- Clothes packaging

### 纺熔无纺布 强度高、隔离效果好

**卫生材料：**婴儿纸尿裤、成人失禁垫等

**医疗用品：**手术用口罩、手术布帘等

**与其他类型无纺布结合：**纸复合材料等

**工作防护：**防护服、防毒面具等

### PP Spun-Melt Nonwoven 高强度 & Barrier Effect

#### Nonwoven hygiene products

Baby and adult diapers

#### Combinations with other nonwovens/fabrics

Paper composites

#### Nonwoven medical products

Surgeon's mask  
Surgical drapes

#### Work protection

Protective clothing  
Breathing masks

### 熔喷无纺布 由超细纤维造就其良好隔离与过滤特性

**卫生材料：**婴儿与儿童卫生用品、女士卫生用品、衬垫、亲水隔垫等热熔粘合材料

**吸收材料：**吸收与擦拭布材、油类吸附材料、液体吸收材料（苯、水、血液）等

**过滤材料：**汽油、空气、液体（苯、水、血液）等

### Meltblown Nonwoven Barriers & Filter Properties

#### Sanitary products

Baby and child hygiene  
Female hygiene  
Incontinence products  
Pads  
Absorbing pads  
Functional inserts for controlled absorption

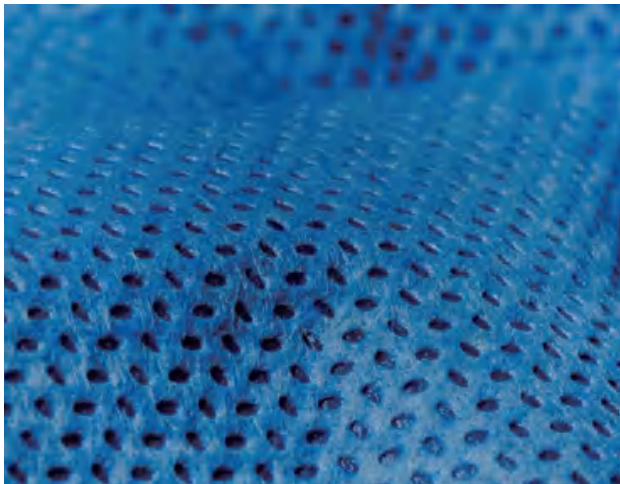
#### Absorbents

Absorbent cloths and wiping cloths  
Media for oil absorption  
Liquids (benzene, water, blood)

#### Filtration

Gas  
Air  
Liquids (benzene water blood)

#### Hot-melt adhesive coating



产品有拒水型、亲水型、抗老化型、阻燃型、抗静电型等，广泛适用于医疗、卫生、农业、包装及家具等各个领域，并可根据客户要求进行抗菌、三抗及超柔软处理。

Its products are of types including hydrophobic, hydrophilic, anti-UV, anti-flame, anti-static and others, being widely applied in medical, hygiene, agriculture, packaging, furniture and other fields, and can proceed anti-microbial, three-anti and super-soft treatments in accordance with customers' requirements.



# 卫材用无纺布

## NONWOVEN FOR HYGIENE



### 亲水柔软无纺布 10-25gsm

#### Hydrophilic & Soft Nonwoven Fabric 10-25gsm

用于尿裤、卫生巾透水表层，并可作打孔处理，及代替湿强纸作包裹用途。

Widely used as top sheet of diapers/sanitary napkins. Highly absorbent and extra soft for your delicate skin.

### 立体打孔无纺布、压花无纺布

#### 3D Perforated Nonwoven Fabric (Diaper & Feminine Napkin Top Sheet)

用于尿裤、卫生巾表层，效果更立体、更分散、亲水性更好、手感柔软。

3-dimensional perforation technology, fast liquid distribution, superb hydrophilicity, and soft physical sensation.

### SSMS亲水包裹无纺布 10-13gsm

#### Hydrophilic SSMS Core Wrap 10-13gsm

用于芯体包裹，有效防止吸水粉溢出，专业特殊亲水技术，传导液体更出色。

Used in core wrap to prevent SAP powder leakage; Sophisticated hydrophilic technology allows for liquid to be transported and distributed more evenly and effectively.



▲ 打孔无纺布

▲ 超柔无纺布

▲ 拒水、亲水无纺布

爱森一直为卫材行业生产供应优质的拒水SSMMS和亲水、打孔、超柔、弹力无纺布，全面应用于纸尿裤和卫生巾的生产。车间配有完善专业的检验室，即时检验现场产品的所有技术指标，为客户提供更可靠的保证。

Asen Nonwoven has been consistently offering customers first-class hydrophobic SSMS, hydrophilic, perforated, super soft and elastic spunbond nonwoven fabrics for different hygiene applications, of which all are widely used in sanitary napkins and diapers. Each workshop is equipped with a state of the art testing facility for real-time inspection to provide customers with guaranteed satisfaction each and every time.

### SSMMS拒水无纺布 13-50gsm

#### Hydrophobic SSMS 13-50gsm

用于立体护围防侧漏、小包膜，阻隔性能更佳。

Widely used in leg cuff of baby diapers, preventing side leakage and providing all-around protection.

### 超柔无纺布 12-20gsm

#### Soft SSS Nonwoven 12-20gsm

用于拉拉裤裤头，尿裤底部复合，如皮肤般感觉柔软舒适，阻隔性能佳，加倍呵护。

Widely used in the waistband of training pants and back sheet lamination, providing softness, comfort, excellent barrier properties, and tender care for your delicate skin.





# 医疗用无纺布

## NONWOVEN FOR MEDICAL



爱森的医用SSMMS无纺布拥有一个独特的多层纺粘/熔喷组合结构，在拥有高阻隔性的同时兼具良好的透气性。此外，布料为您提供如纯棉般的柔软舒适感。这是医疗、防护用产品的上佳原材料，真正为医护工作者和病人带来福音。

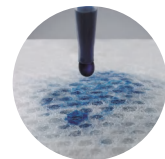
Asen Nonwoven's SSMMS medical barrier fabric has a unique multi-layer spunmelt construction that provides superior barrier protection and excellent breathability, yet it offers a cloth-like softness for great comfort. It is an ideal fabric for a variety of converted medical and protective products. It has become a preferred choice due to its performance, protection, and comfort for many healthcare workers and patients.

### SSMMS 用于手术衣、手术铺单和灭菌包布

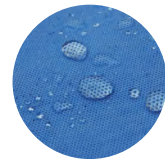
SSMMS for Surgical gown • Surgical Drape • Sterilization Wrap



抗血液处理  
Blood Repellent Treatment



吸水处理  
Absorbent Treatment



抗酒精处理  
Alcohol Repellent Treatment

# 滤材用熔喷无纺布

## MELTBLOWN NONWOVEN FOR FILTRATION



熔喷无纺布具有良好的过滤性能，我们的产品已通过美国Nelson实验室的BFE（细菌过滤效率）和PFE（颗粒过滤效率）测试，过滤效率95%-99.9%，广泛用于口罩中间过滤层、液体及空气过滤、吸尘袋等。

Meltblown nonwoven has excellent filtration performance which has passed the BFE (Bacterial Filtration Efficiency) & PFE (Particulate Filtration Efficiency) testing of Nelson Laboratory in the USA and the efficiency result from 95%-99.9%. It has been widely used in the middle layer of the face masks, liquid/air filtration, dust collecting bags, etc.





# 农业用无纺布

## NONWOVEN FOR AGRICULTURE



无纺布具有较好的透气性、吸湿性和一定的透光性,十分适合应用于农业覆盖,具有防虫、防鸟雀啄食、防污染、御寒保温、防霜冻、防日光曝晒等作用。无污染、可回收、埋在地下会降解、在室外半年后会风化。另外,我们还可以根据客户的要求添加亲水、抗老化等特殊处理,以达到更好的使用效果。

Our nonwoven fabric is excellent for agriculture and landscaping applications due to its high air permeability, good hygroscopicity, and sufficient light transmission properties. It is widely used in farming & gardening to prevent insects, birds, and weeds from harming plants. It can also protect plants, flowers and vegetables from cold temperatures, frost, and extreme weather conditions. Our nonwoven fabric is biodegradable, fully recyclable and given applications eco-friendly.

Additional treatments such as hydrophilic and UV resistance are available to meet customers' specific needs for any given applications.



# 工业用无纺布

## NONWOVEN FOR INDUSTRIAL



爱森的SSS, SSMMS无纺布以及复合材料被广泛应用于不同的工业领域,包括家具应用、包装应用、家居用品应用、汽车配件应用和一次性航空用品应用。

Our polypropylene SSS, SSMMS and composite nonwoven materials are widely used in a variety of industrial applications including home furnishing, packaging, household products, automotive accessories and disposable aviation products.

**家具：**沙发的坐垫套和底衬,床褥的包布和弹簧袋,床网覆盖隔离衬布

**包装：**购物袋,礼品包装,电子产品包装和鲜花包装材料应用

**家居用品：**被心的包布,抱枕及枕头包布,室内外的家具防尘罩,收纳盒,吊柜,简易衣柜

**一次性航空用品：**航空枕巾,枕套和枕头

**Furniture application:** cushion cover and bottom liner of sofa, packing cloth and spring bag of bedclothes, bed net cover isolation lining.

**Packaging application:** shopping bag, gift packaging, electronic product packaging and flower packaging material application.

**Application of household goods:** core cloth, pillow and pillow cloth, indoor and outdoor furniture dust cover, storage box, hanger cabinet, simple wardrobe.

**Application of disposable aviation products:** airline pillow towel, pillowcase and pillow.

